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Sequence Listing was accepted.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866)  
217-9197 (toll free).

Reviewer: Durreshwar Anjum

Timestamp: [year=2007; month=11; day=23; hr=14; min=51; sec=10; ms=430;  
]

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Application No: 10823810 Version No: 2.0

Input Set:

Output Set:

Started: 2007-10-31 10:26:09.001  
Finished: 2007-10-31 10:26:10.413  
Elapsed: 0 hr(s) 0 min(s) 1 sec(s) 412 ms  
Total Warnings: 0  
Total Errors: 4  
No. of SeqIDs Defined: 68  
Actual SeqID Count: 68

Error code	Error Description
E 201	Mandatory field data missing in <140>
E 201	Mandatory field data missing in <141>
E 355	Empty lines found between the amino acid numbering and the
E 321	No. of Bases conflict, this line has no nucleotides SEQID (58)

# SEQUENCE LISTING

<110> Reed, Jennifer

<120> METHODS OF PREVENTING OR TREATING RESPIRATORY CONDITIONS

<130> 10271-113-999

<140> 10823810

<141> 2004-04-12

<150>

<151>

<150> 60/462,307

<151> 2003-04-11

<150> 60/477,801

<151> 2003-06-10

<160> 68

<170> PatentIn version 3.2

<210> 1

<211> 10

<212> PRT

<213> Homo sapiens

<400> 1

Gly	Tyr	Thr	Phe	Thr	Gly	Tyr	Trp	Ile	Glu
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<210> 2

<211> 17

<212> PRT

<213> Homo sapiens

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Glu	Ile	Leu	Pro	Gly	Ser	Gly	Thr	Thr	Asn	Tyr	Asn	Glu	Lys	Phe	Lys
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Gly

<210> 3

<211> 13

<212> PRT

<213> Homo sapiens

<400> 3

Ala Asp Tyr Tyr Gly Ser Asp Tyr Val Lys Phe Asp Tyr  
1 5 10

<210> 4  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 4

Lys Ala Ser Gln His Val Gly Thr His Val Thr  
1 5 10

<210> 5  
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<212> PRT  
<213> Homo sapiens

<400> 5

Ser Thr Ser Tyr Arg Tyr Ser  
1 5

<210> 6  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 6

Gln His Phe Tyr Ser Tyr Pro Leu Thr  
1 5

<210> 7  
<211> 118  
<212> PRT  
<213> Homo sapiens

<400> 7

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
1 5 10 15

Ser Val Lys Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr Trp  
20 25 30

Ile Glu Trp Val Arg Gln Ala Pro Gly Gln Leu Glu Trp Met Gly Glu  
35 40 45

Ile Leu Pro Gly Ser Thr Thr Asn Tyr Asn Glu Lys Phe Lys Gly Arg  
50 55 60

Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr Met Glu Leu  
65 70 75 80

Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys Ala Arg Ala  
85 90 95

Asp Tyr Tyr Gly Ser Asp Tyr Val Lys Phe Asp Tyr Trp Gly Gln Gly  
100 105 110

Thr Leu Val Thr Ser Ser  
115

<210> 8  
<211> 107  
<212> PRT  
<213> Homo sapiens

<400> 8

Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly  
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Lys Ala Ser Gln His Val Gly Thr His  
20 25 30

Val Thr Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile  
35 40 45

Tyr Ser Thr Ser Tyr Arg Tyr Ser Gly Val Pro Ser Arg Phe Ser Gly  
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro  
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln His Phe Tyr Ser Tyr Pro Leu  
85 90 95

Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys  
100 105

<210> 9  
<211> 124

<212> PRT  
<213> Homo sapiens

<400> 9

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr  
20 25 30

Trp Ile Glu Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Glu Trp Leu Pro Gly Ser Gly Thr Thr Asn Tyr Asn Asn Glu Lys  
50 55 60

Phe Lys Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ser Thr Ser Thr  
65 70 75 80

Val Tyr Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr  
85 90 95

Tyr Cys Ala Arg Ala Asp Tyr Tyr Gly Ser Asp Tyr Val Lys Phe Asp  
100 105 110

Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser  
115 120

<210> 10  
<211> 17  
<212> PRT  
<213> Homo sapiens

<400> 10

Glu Trp Leu Pro Gly Ser Gly Thr Thr Asn Tyr Asn Glu Lys Phe Lys  
1 5 10 15

Gly

<210> 11  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 11

Gly Tyr Thr Phe Thr Tyr Tyr Trp Ile Glu  
1 5 10

<210> 12

<211> 13

<212> PRT

<213> Homo sapiens

<400> 12

Ala Asp Tyr Tyr Gly Ser Asp His Val Lys Phe Asp Tyr  
1 5 10

<210> 13

<211> 11

<212> PRT

<213> Homo sapiens

<400> 13

Leu Ala Ser Gln His Val Gly Thr His Val Thr  
1 5 10

<210> 14

<211> 7

<212> PRT

<213> Homo sapiens

<400> 14

Gly Thr Ser Tyr Arg Tyr Ser  
1 5

<210> 15

<211> 120

<212> PRT

<213> Homo sapiens

<400> 15

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Tyr Tyr  
20 25 30

Trp Ile Glu Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Glu Trp Leu Pro Gly Ser Gly Thr Thr Asn Tyr Asn Glu Lys Phe Lys  
50 55 60

Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr Met  
65 70 75 80

Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys Ala  
85 90 95

Arg Ala Asp Tyr Tyr Gly Ser Asp His Val Lys Phe Asp Tyr Trp Gly  
100 105 110

Gln Thr Leu Val Thr Val Ser Ser  
115 120

<210> 16  
<211> 107  
<212> PRT  
<213> Homo sapiens

<400> 16

Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly  
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Leu Ala Ser Gln His Val Gly Thr His  
20 25 30

Val Thr Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile  
35 40 45

Tyr Gly Thr Ser Tyr Arg Tyr Ser Gly Val Pro Ser Arg Phe Ser Gly  
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro  
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln His Phe Tyr Asp Tyr Pro Leu  
85 90 95

Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys  
100 105

<210> 17



<211> 120  
<212> PRT  
<213> Homo sapiens

<400> 17

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr  
20 25 30

Trp Ile Glu Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Glu Trp Leu Pro Gly Ser Gly Thr Thr Asn Tyr Asn Glu Lys Phe  
50 55 60

Lys Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr  
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Ala Asp Tyr Tyr Gly Ser Asp His Lys Phe Asp Tyr Trp Gly  
100 105 110

Gln Gly Thr Leu Thr Val Ser Ser  
115 120

<210> 18  
<211> 107  
<212> PRT  
<213> Homo sapiens

<400> 18

Asp Gln Ile Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly  
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Lys Ala Ser Gln His Val Gly Thr His  
20 25 30

Val Thr Trp Thr Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu  
35 40 45

Ile Tyr Gly Thr Ser Tyr Arg Tyr Ser Gly Val Pro Arg Phe Ser Gly  
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro  
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln His Phe Tyr Glu Tyr Pro Leu  
85 90 95

Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys  
100 105

<210> 19  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 19

Gly Gly Thr Phe Ser Gly Tyr Trp Ile Glu  
1 5 10

<210> 20  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 20

Gln Gln Phe Tyr Glu Tyr Pro Leu Thr  
1 5

<210> 21  
<211> 119  
<212> PRT  
<213> Homo sapiens

<400> 21

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser  
1 5 10 15

Ser Val Lys Ser Cys Lys Ala Gly Gly Thr Phe Ser Gly Tyr Trp Ile  
20 25 30

Glu Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met Gly Glu  
35 40 45

Ile Leu Pro Gly Ser Gly Thr Thr Asn Tyr Asn Glu Lys Phe Lys Gly  
50 55 60

Arg Val Thr Ile Thr Ala Asp Glu Ser Thr Ser Thr Ala Tyr Met Glu  
65 70 75 80

Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys Ala Arg  
85 90 95

Ala Asp Tyr Tyr Gly Ser Asp Tyr Val Lys Phe Asp Tyr Trp Gly Gln  
100 105 110

Thr Leu Val Thr Val Ser Ser  
115

<210> 22  
<211> 107  
<212> PRT  
<213> Homo sapiens

<400> 22

Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Val Gly Asp  
1 5 10 15

Arg Val Thr Ile Thr Cys Lys Ala Ser Gln His Val Gly Thr His Val  
20 25 30

Thr Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Lys Leu Leu Ile  
35 40 45

Tyr Ser Thr Ser Tyr Arg Tyr Ser Gly Val Pro Ser Arg Phe Ser Gly  
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro  
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Phe Tyr Glu Pro Leu Thr  
85 90 95

Gly Phe Gly Gly Gly Thr Lys Val Ile Glu Lys  
100 105

<210> 23  
<211> 121

<212> PRT  
<213> Homo sapiens

<400> 23

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Gly Tyr  
20 25 30

Trp Ile Glu Glu Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Glu Ile Leu Pro Gly Ser Gly Thr Thr Asn Pro Asn Glu Lys Phe  
50 55 60

Lys Gly Arg Thr Ile Thr Ala Asp Glu Ser Thr Ser Thr Ala Tyr Met  
65 70 75 80

Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys Ala  
85 90 95

Arg Ala Asp Tyr Tyr Gly Ser Asp Tyr Val Lys Phe Asp Tyr Trp Gly  
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser  
115 120

<210> 24  
<211> 107  
<212> PRT  
<213> Homo sapiens

<400> 24

Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly  
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Lys Ala Ser Gln His Val Gly Thr His  
20 25 30

Val Thr Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile  
35 40 45

Tyr Ser Thr Ser Tyr Arg Tyr Ser Gly Val Pro Ser Arg Phe Ser Gly

50

55

60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro  
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Tyr Cys Gln Gln Phe Tyr Glu Pro Leu  
85 90 95

Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys  
100 105

&lt;210&gt; 25

&lt;211&gt; 107

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 25

Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly  
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Lys Ala Ser Ser Gln His Val Gly Thr  
20 25 30

His Val Thr Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu  
35 40 45

Ile Tyr Gly Thr Ser Tyr Arg Tyr Ser Gly Val Pro Ser Arg Phe Ser  
50 55 60

Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln  
65 70 75 80

Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Phe Tyr Glu Tyr Pro  
85 90 95

Leu Thr Phe Gly Gly Gly Thr Val Glu Ile Lys  
100 105

&lt;210&gt; 26

&lt;211&gt; 10

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 26

Gly Gly Thr Phe Ser Tyr Tyr Trp Ile Glu  
1 5 10

<210> 27

<211> 62

<212> PRT

<213> Homo sapiens

<400> 27

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Tyr Tyr  
20 25 30

Trp Ile Glu Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Glu Ile Leu Pro Gly Ser Gly Thr Thr Asn Pro Asn Glu  
50 55 60

<210> 28

<211> 107

<212> PRT

<213> Homo sapiens

<400> 28

Asp Ile Gln Met Met Thr Gln Ser Pro Ser Ser Leu Ala Ser Val Gly  
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Lys Ala Ser Gln His Val Ile Thr His  
20 25 30

Val Thr Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile  
35 40 45

Tyr Gly Thr Ser Tyr Ser Tyr Ser Gly Val Pro Ser Arg Phe Ser Gly  
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro  
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Phe Tyr Glu Tyr Pro Leu  
85 90 95

Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys  
100 105

<210> 29  
<211> 122  
<212> PRT  
<213> Homo sapiens

<400> 29

Gln Val Gln Leu Val Gln Ser Asx Ala Glu Val Lys Lys Pro Gly Ser  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Gly Tyr  
20 25 30

Trp Ile Glu Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Glu Ile Leu Pro Gly Ser Gly Thr Thr Asn Pro Asn Glu Lys Phe  
50 55 60

Lys Gly Arg Val Thr Ile Thr Ala Asp Glu Ser Thr Ser Thr Ala Tyr  
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg Ala Asp Tyr Tyr Gly Ser Asp Tyr Val Lys Phe Asp Tyr Trp  
100 105 110